

**Collections of Preserved
Amphibians and Reptiles
in the
United States**

compiled by
The Committee on Resources in
Herpetology

Society for the Study of Amphibians and Reptiles

MISCELLANEOUS PUBLICATIONS
Herpetological Circular No. 3

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IN THE UNITED STATES

Compiled by the
Committee on Resources in Herpetology

A joint committee of the American Society of Ichthyologists
and Herpetologists, the Herpetologists' League,
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COLLECTIONS OF PRESERVED AMPHIBIANS AND REPTILES
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Compiled by the
Committee on Resources in Herpetology¹

The purpose of this report is to make available the results of a survey of scientific collections of herpetological specimens made in the course of a broader study of resources in systematic herpetology. The Committee was funded by a grant from the National Science Foundation. The material published here is extracted from the Committee's Final Report, submitted in January 1975 to the National Science Foundation and other sponsoring organizations¹. The body of the Final Report ("Report of the Committee on Resources in Herpetology") has been published in Copeia [1975(2):391-404]. The Committee's statement on recommendations for management of museum collections will appear in Herpetological Review.

Information presented here was obtained through questionnaires sent to persons who, in response to an earlier questionnaire, indicated owning or being responsible for a herpetological collection. In addition, attempts were made to contact other collection managers who were not reached in the initial distribution of questionnaires. The majority of questionnaires were returned in the spring of 1974, but additions were made as late as February 1975.

Responses to questionnaires provided the Committee with more or less detailed information on more than 100 collections. It would be impractical and of limited use to reproduce this information in its totality, so the Committee adopted this compromise: Twenty major institutional collections are treated in some detail in part I; 81 more are handled in abbreviated, tabular form in part II; private collections and special collections are discussed briefly.

¹A joint committee of the American Society of Ichthyologists and Herpetologists, the Herpetologists' League, the Society for the Study of Amphibians and Reptiles, and the Association of Systematics Collections. Members: David B. Wake (Chairman), Richard G. Zweifel (Vice Chairman), Herbert C. Dessauer, George W. Nace, Eric R. Pianka, George B. Rabb, Rodolfo Ruibal, John W. Wright and George R. Zug.

Museum Collections

The Committee based its selection of the 20 major collections that are treated more fully on several criteria. Size was important. No collection in this group has fewer than 30,000 specimens, and 80 per cent of about 3,300,000 specimens in institutional collections are held by these 20. All collections in the group serve as repositories of holotype specimens. Indeed, 99 percent of all 5956 holotype (or equivalent) specimens identified in collections in the United States are in these 20 collections, and almost 95 per cent are held by 10 of them. Geographic diversity of holdings was given considerable weight. A collection with diverse domestic and exotic holdings is more likely to be of general interest and use to the herpetological community at large than is a collection of similar size but of more restricted geographic representation. A final criterion was the presence of collections additional to those of the conventional preserved specimens. We stress that it is not our intention to denigrate collections not included among these 20, and freely admit that several collections might have been shifted to either side of the line.

All the collections listed in both parts of this report are assumed to make specimens available on loan to qualified investigators, though many may require that loans for student use be made to the student's major professor or other advisor. Loan policy with regard to type specimens varies and is specified in the summaries.

Private Collections

Twenty-three respondents reported owning private collections of 1000 or more specimens, with a total of about 270,000 and a median size of 4200. Some of these are highly specialized collections related to a particular research interest, whereas others are general collections. Several collectors indicated that a permanent depository for their collections had been chosen, but others evidently had made no such plans. Because of the unstable nature of most private collections, we have chosen not to prepare a summary of them. We take this opportunity to urge the owners of such collections to make firm arrangements to place the specimens in permanent collections. Ideally, any valuable

specimens for which no local use is foreseen should be turned over immediately to a permanent collection; at the least, legal arrangements should be made for the eventual transfer of ownership of the specimens to the chosen depository.

Special Collections

Some collections identified in the survey do not fit comfortably into parts I and II of this report, as they are not predominantly collections of conventional preserved specimens or skeletons and are not associated with collections of that sort. There are relatively few special collections, and most have developed in conjunction with long established research programs of individual scientists. Our survey disclosed relatively few living collections in which husbandry programs were formalized, and this area appears to be poorly developed.

PART I

The collections are listed alphabetically, with information presented in a standardized format:

Abbreviation	Name of curator (or curators, in alphabetical order)
	Institutional address
	Telephone number

Specimens: The number is rounded to the nearest 1000. Where it is evident that the number does not include skeletons, it is qualified by "fluid preserved." Where a discrepancy exists between the number of specimens and the total catalogue numbers, due to grouping of specimens under a single number, both figures are given. Osteological preparations are assumed to be dry skeletons unless stated otherwise. Unprocessed (uncatalogued) specimens are not included in these totals.

Types: The number of holotype (or taxonomically equivalent) specimens is given, followed by a statement as to the availability of such specimens for loan. If a type list has been published, the citation is given.

Special collections: Where the respondent indicated the existence of significant collections other than the conventional fluid preserved or skeletal specimens, these are listed.

Indices: Listed here are indices from which data can readily be recovered and transcribed. Arrangement of specimens on the shelves by taxonomy or geography is not considered an index.

Comments: Areas of particular strength in the collection are mentioned here, and any comments not appropriate to a foregoing paragraph are made.

ACADEMY OF NATURAL SCIENCES

ANSP Mr. Edmond V. Malnate and Dr. Thomas M. Uzzell

Academy of Natural Sciences
19th and The Parkway
Philadelphia, PA 19103

(215) 567-3700

Specimens: 30,000 fluid preserved specimens; few skeletons.

Types: 500, available for loan on a "limited basis."

Malnate, Edmond V. 1971. A catalog of primary types in the herpetological collections of the Academy of Natural Sciences, Philadelphia (ANSP). Proc. Acad. Nat. Sci. Philadelphia 123 (9): 345-375.

Special collections: Cope hemipenial collection.

Indices: Taxonomic; type collection.

Comments: 55% from the U. S., 20% from Central and South America. Collection contains large part of E. D. Cope collection, and is significant for its holdings of 19th Century type material.

AMERICAN MUSEUM OF NATURAL HISTORY

AMNH Drs. Charles J. Cole, Charles W. Myers and Richard G. Zweifel

American Museum of Natural History
Central Park West at 79th St.
New York, NY 10024

(212) 873-1300

Specimens: 215,000 (200,000 numbers); 1500 skeletons.

Types: 503, available for loan "on short-term to reciprocating institutions." No published type list.

Special collections: Tape recordings, chromosome slides.

Indices: Main collection is indexed taxonomically (to subspecies) and geographically (to county in well-represented regions); skeletal specimens, holotypes (and equivalent), tape recordings and chromosome preparations are indexed taxonomically.

Comments: Collection is world-wide, but particularly strong in specimens from the U. S. (southwestern states), northwestern South America, western Mexico, Australia, New Guinea and central Africa.

BRIGHAM YOUNG UNIVERSITY LIFE SCIENCES MUSEUM

BYU Dr. Wilmer Tanner

Life Sciences Museum
 Brigham Young University
 Provo, UT 84601

Specimens: 40,000 fluid preserved specimens; 500 skeletons.

Types: 28, available for loan "under extreme necessity."

Tanner, Wilmer W. 1970. A catalogue of the fish, amphibian,
 and reptile types in the Brigham Young University Museum
 of Natural History. Great Basin Nat. 30(4): 219-226.

Special collections: Slides of gonadal tissues, field notes, photographs.

Indices: Taxonomic and geographic.

Comments: 60% of specimens from the U. S. (emphasis on Great Basin
 and upper Colorado drainage), 20% from western Mexico; also
 significant collections from the Pacific Islands.

CALIFORNIA ACADEMY OF SCIENCES

CAS Dr. Alan E. Leviton
 CAS-SU (see comments)

California Academy of Sciences
 Golden Gate Park
 San Francisco, CA 94118

(415) 221-5100

Specimens: 215,000 (140,000 CAS, 56,000 CAS-SU numbers); 750 skeletons (mostly skulls).

Types: 357, available on loan "to qualified investigators."

Leviton, A. E. 1953. Catalogue of the amphibian and reptile
 types in the Natural History Museum of Stanford University.
 Herpetologica 8(3): 121-132.

Leviton, A. E., and B. H. Banta. 1956. Catalogue of the amphibian
 and reptile types in the Natural History Museum of Stanford
 University. Supplement number 1. Herpetologica 12(3): 213-219.

Slevin, J. R., and A. E. Leviton. 1956. Holotype specimens
 of reptiles and amphibians in the collection of the California
 Academy of Sciences. Proc. California Acad. Sci. 28(14):
 529-560.

Special collections: Reptilian inner ear preparations and embryonic
 serial sections of Xantusia (Malcolm R. Miller materials).

Indices: Geographic index.

Comments: Includes the former Stanford University collection, numbered
 separately. About 25% of collection is from the U. S. (especially
 western). Africa (20%), Asia (30%) and Mexico (15%) are also
 well-represented.

CARNEGIE MUSEUM OF NATURAL HISTORY

CM Dr. C. J. McCoy

Section of Amphibians and Reptiles
Carnegie Museum of Natural History
4400 Forbes Avenue
Pittsburgh, PA 15213

(412) 622-3258

Specimens: 102,000 fluid preserved specimens (58,000 numbers); 1000 skeletons.

Types: 118, "sometimes" available for loan.

McCoy, C. J., and Neil D. Richmond. 1965. Herpetological type specimens in Carnegie Museum. *Ann. Carnegie Mus.* 38(10): 233-264.

Special collections: Field notes, photographs.

Indices: Taxonomic and geographic indices; also indices to skeletons and type-specimens.

Comments: 60% of specimens from the U. S. (especially Pennsylvania, Virginia, Florida and West Virginia), 10% each from Mexico, Central America (Guatemala, Belize), Africa (Angola, Zululand) and South America (Bolivia, Colombia and Uruguay).

FIELD MUSEUM OF NATURAL HISTORY

FMNH Mr. Hymen Marx and Dr. Harold Voris

Division of Amphibians and Reptiles
Field Museum of Natural History
Roosevelt Road at Lake Shore Drive
Chicago, Illinois 60605

(312) 922-9410

Specimens: 200,000 (197,000 numbers); 3200 skeletons (extremely broad coverage of snake and crocodilian skulls).

Types: 419, available to "qualified investigators."

Marx, H. 1958. Catalogue of type specimens of reptiles and amphibians in Chicago Natural History Museum. *Fieldiana: Zool.* 36(4): 409-496.

Special collections: Histological slides, tape recordings, photographs, field notes.

Indices: Geographic index.

Comments: institution was formerly known as Chicago Natural History Museum, and abbreviation CNHM was used for catalogue numbers. Collection is unusually comprehensive, both geographically and systematically. Notable collections include New World salamanders, frogs and reptiles from Borneo, Philippine Islands, Australia and Colombia, and E. H. Taylor collections from Central America and Thailand.

MUSEUM OF COMPARATIVE ZOOLOGY

MCZ Dr. Ernest E. Williams

Museum of Comparative Zoology, Harvard University
Cambridge, MA 02138

(617) 495-2496

Specimens: 530,000 (230,000 numbers); 5000 skeletons.

Types: 1750, available for loan "to qualified investigators."

Barbour, T., and A. Loveridge. 1929. Typical reptiles and amphibians in the Museum of Comparative Zoology. Bull. Mus. Comp. Zool. 69(10): 205-306.

Barbour, T., and A. Loveridge. 1946. First supplement to typical reptiles and amphibians. Ibid. 96(2): 59-214.

Special collections: 15,000 chromosome slides.

Indices: taxonomic index; index to skeletal collection; catalogue of chromosome slides.

Comments: Collection is world-wide in scope, with large holdings from Latin America, the West Indies, Africa and the Australia-New Guinea region. Amount of material from U. S. is relatively small.

NATIONAL MUSEUM OF NATURAL HISTORY

USNM Drs. Bruce Bury, W. Ronald Heyer and George Zug

National Museum of Natural History, Smithsonian Institution
Washington, DC 20560

(202) 381-6171

Specimens: 300,000 (196,000 numbers); 3000 skeletons.

Types: 1300, available for loan "to qualified investigators."

Cochran, D. M. 1961. Type specimens of reptiles and amphibians in the U. S. National Museum. Bull. U. S. Natl. Mus. (220): xv + 291 p.

Special collections: A. H. Wright photographic collection, 16 mm. films on locomotion, photographs (color and black and white).

Indices: taxonomic and geographic indices.

Comments: About 50% of collection is from U. S., but holdings are cosmopolitan, with particular strength in South America, Mexico and Asia.

NATURAL HISTORY MUSEUM OF LOS ANGELES COUNTY

LACM Drs. Robert L. Bezy and John W. Wright

Section of Herpetology
Natural History Museum of Los Angeles County
Los Angeles, CA 90007

(213) 746-0410

Specimens: 105,000 fluid preserved specimens; 500 skeletons.

Types: 40, "conditionally available" for loan. No published type list.

Special collections: Chromosome preparations (8000 slides representing 2000 specimens), frozen tissues (600), photographs (2400).

Indices: taxonomic and geographic indices to main collection; taxonomic indices to type specimens, cytological preparations, osteological collection and photographs.

Comments: Includes the former collection of the University of California, Los Angeles (UCLA), California State University, Long Beach (LBSC, CSCLB), University of Southern California (USC) and Allan Hancock Foundation (AHF). About 39% of the specimens are from the U. S. (especially California), 20% from Mexico (Sonora), 12% from South America (Colombia) and 11% from Africa (Kenya, Uganda).

SAN DIEGO NATURAL HISTORY MUSEUM

SDNHM Dr. Thomas Fritts

San Diego Natural History Museum
P. O. Box 1390
San Diego, CA 92112

(714) 234-5151

Specimens: 55,000 fluid preserved specimens; 400 skeletons.

Types: 46, available for loan "with special permission."

Sloan, A. J. 1965. Holotype specimens of reptiles in the collection of the San Diego Society of Natural History. Trans. San Diego Soc. Nat. Hist. 14(1): 1-8.

Special collections: Snake hemipenes, photographs, field notes.

Indices: Taxonomic index.

Comments: Includes the former Laurence M. Klauber collection (LMK). Specimens mostly from California (60%, especially southern California) and Mexico (30%, Baja California).

TEXAS COOPERATIVE WILDLIFE COLLECTION

TCWC Dr. James R. Dixon

Dept. of Wildlife and Fisheries Sci.
Texas A & M University
College Station, TX 77843

Specimens: 46,000 fluid preserved specimens; 200 dry skeletons and 200 cleared-and-stained preparations.

Types: 25, available for loan. No published type list.

Special collections: None.

Indices: Taxonomic and geographic indices; indices to both skeleton collections.

Comments: 51% of specimens from the U. S. (especially Texas), 34% from Mexico, 10% from South America.

TEXAS NATURAL HISTORY COLLECTION

TNHC Dr. Robert F. Martin

Texas Memorial Museum
University of Texas at Austin
Austin, TX 78705

(512) 471-1064 (or 5302)

Specimens: 44,000 fluid preserved specimens; 500 skeletons.

Types: 5, available for loan "if visit impossible." No published type list.

Special collections: Tape recordings of frog calls.

Indices: Taxonomic and geographic.

Comments: 70% of specimens from U. S. (especially Texas), 10% from Africa, 8% from Mexico and 7% from South America.

TULANE UNIVERSITY

TU Dr. Harold A. Dundee

Biology Department
Tulane University
New Orleans, LA 70118

(504) 865-5191

Specimens: 40,000 (19,700 numbers); 750 skeletons.

Types: 7, "preferably not" available for loan. No published type list.

Special collections: None.

Indices: Taxonomic and geographic.

Comments: 95% of specimens from the U. S. (predominantly Louisiana and the Southeastern U. S.).

UNIVERSITY OF ARIZONA HERPETOLOGY COLLECTION

UAZ Drs. Charles H. Lowe and Michael D. Robinson

Dept. Biological Sciences
University of Arizona
Tucson, AZ 85721

(602) 884-3187

Specimens: 40,000 fluid preserved specimens; 30 skeletons.

Types: 11, available for loan. No published type list.

Special collections: Chromosome slides, photographs.

Indices: Taxonomic and geographic; chromosome slides; photographs.

Comments: 50% of collection from Mexico (especially Sonora), 40% from the U. S. (Arizona).

UNIVERSITY OF CALIFORNIA MUSEUM OF VERTEBRATE ZOOLOGY

MVZ Drs. Robert C. Stebbins and David B. Wake

Museum of Vertebrate Zoology
University of California
Berkeley, CA 94720

(415) 642-3567

Specimens: 114,000 fluid specimens; 1500 dry skeletons.

Types: 61, available for loan "only under extraordinary circumstances."

Crippen, R. G. 1962. Holotype specimens of amphibians and reptiles in the Museum of Vertebrate Zoology, University of California, Berkeley. *Herpetologica* 18(3): 187-194.

Special collections: Histological preparations, field notes.

Indices: Partial taxonomic index; taxonomic skeletal index.

Comments: Major areas of strength are the western U. S. (California and Nevada), Mexico (Baja California and Veracruz) and Guatemala.

UNIVERSITY OF COLORADO

UCM Dr. T. Paul Maslin (Curator Emeritus)

University of Colorado Museum
Boulder, CO 80302

(303) 492-6688 or 6297

Specimens: 51,000; about 200 skeletons.

Types: 15, available for loan. No published type list.

Special collections: Photographs.

Indices: Taxonomic and geographic indices, and index to photo collection.

Comments: 60% of specimens from U. S. (especially Colorado and New Mexico), 17% from Mexico (Yucatan Peninsula).

UNIVERSITY OF FLORIDA STATE MUSEUM

UF Dr. Walter Auffenberg
 Florida State Museum
 University of Florida
 Gainesville, FL 32601

(904) 392-1721

Specimens: 33,000 fluid preserved specimens; 1000 skeletons.

Types: 33, available for loan.

Christman, Steven P. 1974. Recent amphibians and reptiles, pp. 115-120. In Catalogue of type specimens in the Department of Natural Sciences, Florida State Museum, ed. by Carter R. Gilbert. Bull. Florida State Mus. 18(2): 101-120.

Special collections: Field notes.

Indices: Taxonomic.

Comments: 70% of specimens from the U. S. (especially Florida), 15% from the West Indies (Jamaica).

UNIVERSITY OF ILLINOIS MUSEUM OF NATURAL HISTORY

UIMNH Dr. Donald F. Hoffmeister
 Museum of Natural History
 University of Illinois at Urbana-Champaign
 Urbana, Illinois 61801

(217) 333-2517 or 6438

Specimens: 94,000 fluid preserved specimens; 450 skeletons.

Types: 176, conditionally available "on a short-term basis at most."

Smith, H. M., D. A. Langebartel and K. L. Williams. 1964. Herpetological type-specimens in the University of Illinois Museum of Natural History. Illinois Biol. Mono. 32: iii + 80 p.

Special collections: Field notes, including microfilm of Taylor and Smith and Taylor field catalogues.

Indices: Partial taxonomic index.

Comments: Specimens principally from Mexico (38%), U. S. (30%) and South America (29%).

UNIVERSITY OF KANSAS MUSEUM OF NATURAL HISTORY

KU Dr. William E. Duellman
 Division of Herpetology
 Museum of Natural History
 University of Kansas
 Lawrence, Kansas 66045

(913) 864-3342

Specimens: 149,000; 6200 skeletons.

Types: 231, available for loan.

Duellman, W. E., and Barbara Berg. 1962. Type specimens of amphibians and reptiles in the Museum of Natural History, the University of Kansas. Univ. Kansas Publ. Mus. Nat. Hist. 15(4): 183-204.

Special collections: Tape recordings (and file of audiospectrograms), chromosome preparations, serial sections, color transparencies, field notes.

Indices: Taxonomic and geographic indices to main collections; also indexed are type specimens, dry skeletons, cleared and stained skeletons, color slides, tape recordings and serial sections.

Comments: Major areas of strength are the U. S. (33% of specimens, Kansas in particular), South America (27%, Ecuador), Mexico (19%, Oaxaca and Veracruz), and Central America (14%, Costa Rica and Panama).

UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY

UMMZ Drs. Arnold G. Kluge, Ronald A. Nussbaum and Donald Tinkle
 University of Michigan, Museum of Zoology
 Ann Arbor, MI 48104

(313) 764-0466

Specimens: 226,000 (133,000 numbers); 3555 skeletons separately numbered, others included in foregoing totals.

Types: 283, available for loan, "but not regularly" (this figure does not include syntypes).

Peters, J. A. 1962. Catalogue of type specimens in the herpetological collections of the University of Michigan Museum of Zoology. Occ. Pap. Mus. Zool. Univ. Michigan (539): 1-55.

Special collections: Ca. 1000 tape recordings, 759 X-ray plates, field books.

Indices: Taxonomic and geographic indices to main collection; taxonomic indices to tape recordings and X-ray collection.

Comments: U. S. (56% of specimens) and Mexico (18%) best represented; Central America (9%) and South America (8%) also well-represented.

PART II

This section presents, in tabular form, a summary of 81 collections -- those institutional collections not covered in Part I. Collections are listed alphabetically by state, and alphabetically by institution within states. Parenthetical notes following the names of states (e.g. "see also UAZ") refer the reader to collections covered in Part I that have notable collections from the state in question. (The Commonwealth of Puerto Rico is listed with the states.)

The name and address of the collection are followed (in parentheses) by the name of the responsible curator. The number of specimens is rounded to the nearest 1000 for collections of 10,000 or more, to the nearest 100 for smaller collections. If the collection is indexed taxonomically, this is indicated by a "+" (other sorts of indices are not included in this summary). The Remarks column indicates the geographic strengths of the collections, records the presence of types and loan policy with respect to them, and notes any special collections.

Institution, address (Curator)	Number of Specimens	Taxonomic Index	Remarks
ALABAMA			
Auburn Univ. Mus., Dept. Zool.-Entomol., Auburn Univ., Auburn, AL 36830 (R. H. Mount)	25,000	-	75% U.S. (Alabama), Ecuador well-represented.
Univ. So. Alabama Nat. Hist. Collection, Div. Zool., Mobile, AL 36688 (D. W. Linzey)	2,500	-	95% U.S. (Alabama, Tennessee, Mississippi).
ALASKA (no collection identified)			
ARIZONA (See also UAZ)			
Arizona State Univ., Dept. Zool., Tempe, AZ 85281 (M. J. Fouquette)	15,000	-	80% U.S. (Arizona), NW Mexico and NW South America 6% each.
Museum of Northern Arizona, PO Box 1389, Flagstaff, AZ 86001 (D. Tomko)	2,900	+	75% Coconino County, Arizona.
No. Arizona Univ., Dept. Biol., PO Box 5640, Flagstaff, AZ 86001 (O. W. Johnson)	2,300	+	98% U.S. (Arizona).
ARKANSAS			
Univ. Arkansas, Dept. Zool., Fayetteville, AR 72701 (J. M. Walker)	2,000	-	99.5 U.S. (Arkansas); data being computerized.
Arkansas State Univ., Div. Biol. Sci., State University, AR 72467 (V. R. McDaniel)	1,300	+	90% U.S. (Arkansas); karyotype and comparative histological collections.
CALIFORNIA (see also CAS, LACM, MVZ, SDNHM)			
California State Univ., Chico, CA 95926 (F. S. Cliff)	4,500	+	70% northern California, 25% southern California.
California State Univ., Dept. Biol. Sci., 6000 J St., Sacramento, CA 95819 (R. L. Livezey)	4,300	+	90% U.S. (California).
San Jose State Univ., Dept. Biol. Sci., San Jose, CA 95192 (L. J. Hendricks)	3,400	+	94% U.S. (California).
COLORADO (see also UCM)			
Colorado State Univ., Dept. Zool., Ft. Collins, CO 80521 (D. Pettus)	2,000	+	90% U.S. Basically a teaching collection; most material goes to Univ. Colo. Museum.

CONNECTICUT

Univ. Connecticut Mus. Zool., Storrs, CT 06268 (Robert Dubos)	7,000	+	95% U.S. (New England states).
Yale University, Peabody Mus. Nat. Hist., New Haven, CT 06520 (Curator of Herpetology)	12,000	+	53% U.S. (Florida, 2300 specimens); 20% Africa (United Arab Republic, 1800 spec.); 11% West Indies (Haiti, 900 spec.); 300 skeletal specimens (mostly cleared and stained amphibians); 3 holotypes (available for loan).

DELAWARE (no collection identified)

FLORIDA (see also UF)

Florida State Univ., Dept. Biol. Sci., Tallahassee, FL 32306 (H. M. Stevenson)	5,000	-	99% U.S. (Florida).
Univ. So. Florida, Dept. Biol., Tampa, FL 33620 (R. W. McDiarmid)	4,000	-	95% U.S. (Florida).

GEORGIA

Georgia State Univ., Vertebrate Collections, Dept. Biol., 33 Gilmer St., Atlanta, GA 30303 (C. H. Wharton)	3,000	+	98% U.S. (Georgia, Florida, North Carolina).
Savannah Science Mus., 4405 Paulsen St., Savannah, GA 31405 (G. K. Williamson)	10,000	?	Coastal Plain of SE South Carolina and Georgia
Univ. Georgia, Dept. Zoology, Mus. Vert. Zool., Athens, GA 30602 (J. E. Cadle)	4,500	+	90% U.S. (Tennessee, Mississippi, Arkansas). 17

HAWAII

Bernice P. Bishop Mus., PO Box 6037, Honolulu, HI 96818 (A. C. Ziegler)	7,000	-	40% Malaysia, 20% Pacific Ocean Islands, 30% New Guinea; 5 holotypes, available for loan.
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IDAHO (no collection identified)

ILLINOIS (see also UIMNH)

Illinois Natural History Survey, Urbana, IL 61801 (P. W. Smith)	10,000	+	95% U.S. (Illinois and SW United States); 2 holotypes, available for loan.
Southern Illinois Univ., Dept. Zool., Carbondale, IL 62901 (R. A. Brandon)	4,600	+	Illinois and vicinity.
Western Illinois Univ., Dept. Biol., Macomb, IL 61455 (G. Thurow)	600	+	Mostly Illinois.

INDIANA

Indiana State Univ., Vertebrate Collections, Dept. Life Sciences, Terra Haute, IN 47809 (J. O. Whitaker, Jr.)	9,100	+	99% U.S. (Indiana, eastern U.S.).
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IOWA				
Drake Univ. Dept. Biol., Des Moines, IA 50311 (J. L. Christiansen)	2,400	+	96% Iowa; 600 turtle skeletons with soft parts preserved separately	
KANSAS (see also KU)				
Fort Hays Kansas State College, Dept. Zool., Hays, KS 67601 (E. D. Fleharty)	5,600	-	95% U.S. (Great Plains states and New Mexico).	
KENTUCKY				
Univ. Louisville, Dept. Biol., Louisville, KY 40208 (B. L. Monroe, Jr.)	10,500	+	95% U.S. (Kentucky)	
LOUISIANA (see also TU)				
Louisiana State Univ. Mus. Zool., Baton Rouge, LA 70803 (D. A. Rossman)	28,000	+	70% U.S. (Louisiana, southern U.S.), 11% Mexico (San Luis Potosi), 10% South America (Peru); 2000 skeletons; 13 holotypes, available for loan.	
Louisiana State Univ. in Shreveport, Mus. Life Sciences, 8515 Youree Dr., Shreveport, LA 71105 (L. M. Hardy)	2,600	+	76% U.S. (Louisiana), 16% Mexico (Veracruz).	
Louisiana Tech Univ., Dept. Zool., Ruston, LA 71270 (B. J. Davis)	4,800	+	99% U.S. (Louisiana).	
Northeast Louisiana Univ., Dept. Biol., Monroe, LA 71201 (N. H. Douglas)	45,400	+	75% SE U.S.; 5000 European and Asian specimens.	
Northwestern State Univ., Dept. Biol. Sci., Natchitoches, LA 71457 (K. L. Williams)	7,500	-	98% U.S. (southeastern).	18
Univ. Southwestern Louisiana, Dept. Biol., Lafayette, LA 70501 (E. D. Keiser)	24,500	-	75% U.S. (southeastern), 25% Mexico; 500 skeletons.	
MAINE (no collection identified)				
MARYLAND (see also USNM)				
Nat. Hist. Soc. Maryland, Dept. Herpetology, 2643 North Charles St., Baltimore, MD 21218 (H. S. Harris, Jr.)	8,000	-	95% U.S. (Maryland).	
MASSACHUSETTS (See MCZ)				
MICHIGAN (See also UMMZ)				
Michigan State Univ., The Museum, East Lansing, MI 48824 (M. M. Hensley)	14,300	+	53% U.S. (Michigan), 30% Mexico (Durango); 3000 skeletons; 4 holotypes, available for loan.	

MINNESOTA				
Univ. Minnesota Mus. Nat. Hist., Minneapolis, MN 55455 (P. J. Regal)	14,300	+	95% U.S. (Minnesota), 3% Mexico.	
MISSISSIPPI (no collection identified)				
MISSOURI				
Northwest Missouri State Univ., Maryville, MO 64468 (D. A. Easterla)	5,000	-	99% U.S. (Missouri and West Texas).	
Univ. Missouri, Dept. Zool., Columbia, MO 65201 (D. E. Metter)	9,000	-	83% U.S. (Missouri); an uncatalogued teaching collection, but most specimens with data tags.	
Univ. Missouri, Dept. Biol., Kansas City, MO 64110 (J. Vial)	20,000	+	90% Missouri (Paul K. Anderson collection).	
MONTANA				
Univ. Montana Dept. Zool., Missoula, MT 59801 (K. Roseland, D. Miller)	1,700	-	U. S. (Arizona, Montana).	
NEBRASKA				
Univ. Nebraska State Mus., Lincoln, NB 68508 (J. D. Lynch)	4,800	+	98% Nebraska; tape recordings.	
NEVADA (see also MVZ)				
Univ. Nevada, Biol. Dept., Reno, NV 89507 (I. La Rivers)	2,000	-	99% western Great Basin (Nevada).	
NEW HAMPSHIRE (no collection identified)				
NEW JERSEY (see also AMNH)				
Rutgers State Univ., Dept. Zool., Newark, NJ 07102 (J. D. Anderson)	5,100	+	70% eastern U.S., 20% Mexico.	
NEW MEXICO				
Eastern New Mexico Univ., Nat. Hist. Mus., Portales, NM 88130 (A. L. Gennaro)	3,100	+	95% U.S. (Llano Estacado of New Mexico).	
New Mexico State University, Dept. Biol., Las Cruces, NM 88003 (J. L. LaPointe)	4,000	+	95% U.S. (New Mexico).	
Univ. New Mexico, Mus. Southwestern Biol., Albuquerque, NM 87106 (W. G. Degenhardt)	30,000	+	75% U.S. (New Mexico), 17% Mexico (Oaxaca, Guerrero); 1 holotype, available for loan.	

NEW YORK (see also AMNH)				
Cornell Univ., Section Ecol. and Syst., Langmuir Lab., Ithaca, NY 14850 (F. H. Pough)	30,000	-	90% U.S. (Florida, Georgia, South Carolina New York).	
New York State Museum and Sci. Service, Albany, NY 12224 (E. M. Reilly, Jr.)	2,000	+	99% U.S. (New York).	
NORTH CAROLINA				
Duke Univ., Dept. Zool., Durham, NC 27706 (J. R. Bailey)	17,400	+	80% North Carolina.	
North Carolina State Mus. Nat. Hist., PO Box 27647, Raleigh, NC 27611 (W. M. Palmer)	20,000	+	95% North Carolina.	
North Carolina State Univ., Dept. Zool., Raleigh, NC 27607 (B. S. Martof)	2,000	+	99% North Carolina and adjacent states.	
NORTH DAKOTA (no collection identified)				
OHIO				
Cleveland Museum of Nat. Hist., Wade Oval, University Circle, Cleveland, OH 44106 (M. C. Muller)	3,400	+	94% U.S. (Florida, Georgia, California, South Carolina, Ohio).	
Ohio State Univ., Museum of Zool., 1813 North High Street, Columbus, OH 43210 (J. M. Condit)	6,300	+	99% U.S. (Ohio).	20
OKLAHOMA				
Univ. Oklahoma, Stovall Mus. Sci. Hist., Norman, OK 73069 (C. C. Carpenter)	30,000	+	90% U.S. (Oklahoma).	
OREGON				
Oregon State Univ., Zool. Dept., Corvallis OR 97331 (R. M. Storm)	12,000	+	100% U.S. (Oregon).	
PENNSYLVANIA (see also CM)				
Pennsylvania State Univ., Dept. Biol., University Park, PA 16802 (E. D. Bellis)	1,000	+	95% U.S. (Pennsylvania); many lot-catalogued, so specimens exceed 1000.	
PUERTO RICO				
Univ. Puerto Rico, Mayaguez, PR 00708 (Juan A. Rivero)	5,400	-	Mainly Puerto Rico and Venezuela; 10 holo- types, available for loan; tape recordings.	
RHODE ISLAND (no collection identified)				

SOUTH CAROLINA					
Charleston Mus., 121 Rutledge Ave., Charleston, SC 29401 (A. E. Sanders)	21,000	+	99% U.S. (South Carolina); 3 holotypes, <u>not</u> available for loan.		
SOUTH DAKOTA					
Univ. South Dakota, Dept. Biol., Vermillion, SD 57069 (L. G. Dunlap)	4,000	+	98% U.S. (South Dakota, Nebraska, Iowa, Missouri).		
TENNESSEE					
Austin Peay State Univ., Dept. Biol., Vert. Mus., Clarksville, TN 37040 (D. H. Snyder)	3,600	+	99% U.S. (Tennessee, Kentucky).		
Memphis State Univ., Memphis, TN 38152 (M. Harvey)	4,500	+	90% U.S. (Tennessee, Mississippi, Arkansas).		
Univ. Tennessee at Martin, Dept. Biol., Martin, TN 38237 (W. F. Nelson)	1,000	-	95% U.S., essentially a teaching collection.		
TEXAS (see also TCWC and TNHC)					
Angelo State Univ., Dept. Biol., San Angelo, TX 76901 (G. C. Raun)	12,000	+	95% U.S. (western Texas).		
Forth Worth Mus. Sci. Hist., 1501 Montgomery St., Fort Worth, TX 76107	8,800	+	90% U.S.		
Midwestern Univ., Dept. Biol., Wichita Falls, TX 76308 (W. W. Dalquest)	5,000	-	99% U.S. (Texas).		
Sam Houston State Univ., Dept. Biol., Huntsville, TX 77340 (B. Hinderstein)	4,000	+	100% U.S. (east Texas).		
Strecker Mus., Baylor Univ., Waco, TX 76703 (B. C. Brown)	?	-	75% U.S. (Texas), 20% Mexico; 2 holotypes, <u>not</u> available for loan.		
Sul Ross State Univ. Vert. Collection., Alpine, TX 79830 (J. F. Scudday)	4,300	+	80% U.S. (Trans-Pecos Texas), 20% Mexico (Coahuila, Chihuahua, Durango).		
Texas A & I Univ., Biol Dept., Kingville, TX 78363 (A. H. Chaney)	6,000	+	95% U.S. (99% Texas).		
Texas Tech Univ. Mus., Lubbock, TX 79409 (J. S. Mecham)	16,000	+	80% U.S. (northwestern Texas, New Mexico), 18% Mexico.		
Univ. Texas at Arlington, Dept. Biol., Arlington, TX 76010 (W. F. Pyburn)	7,900	-	70% U.S. (Texas), 10% Colombia; 3 holotypes, <u>not</u> available for loan.		
Univ. Texas at El Paso, Museum of Arid Lands Biology, Dept. Biol. Sci., El Paso, TX 79968 (R. D. Worthington)	2,500	+	100% U.S. (Trans-Pecos Texas, southern New Mexico); 650 skeletons.		

UTAH (see also BYU)				
Univ. Utah, Dept. Biol., Salt Lake City, UT 84112 (J. M. Legler)	14,000	+	Large proportion of turtles from Mexico and Central America; karyological slides; serially-sectioned turtle heads; 2 holotypes, available for loan.	
VERMONT (no collection identified)				
VIRGINIA (see also USNM)				
College of William and Mary, Dept. Biol., Williamsburg, VA 23185 (G. R. Brooks)	4,000	+	95% U.S. (Virginia, Florida).	
Lynchburg College, Biol. Dept., Lynchburg, VA 24504 (S. K. Whitt)	2,000	+	99.5% U.S. (Virginia, Alabama).	
WASHINGTON				
Central Washington State College, Ellensburg, WA 98296	1,800	+	95% U.S. (Washington).	
Charles R. Conner Museum, Washington State Univ., Pullman, WA 99163 (R. E. Johnson)	1,000	-	100% U.S. (Washington).	
Puget Sound Mus. Nat. Hist., Univ. Puget Sound, Tacoma, WA 98416 (J. R. Slater)	10,000	+	Mostly Washington.	
Washington State Museum, Univ. Washington, Seattle, WA 98195 (S. A. Rohwer)	1,500	-	99% U.S. (western Washington garter snakes).	
WEST VIRGINIA (see also CM)				
West Virginia Biol. Survey Herpetological Coll., Marshall Univ., Huntington, WV 25701 (N. B. Green)	7,500	+	100% West Virginia.	
WISCONSIN				
Milwaukee Public Mus., 8th and Wells, Milwaukee, WI 53233 (M. A. Nickerson)	7,500	+	70% U.S. (Wisconsin, Missouri, Arkansas), 10% Mexico, 10% Central America (Belize). 85% U.S.; 800 skeletons (<u>Scaphiopus</u> , <u>Graptemys</u>); tape recordings (<u>Scaphiopus</u>).	
Univ. Wisconsin, Zoological Mus., 250 N. Mills St., Madison, WI 53706 (W. G. Reeder)	1,400	+		
WYOMING (no collection identified)				